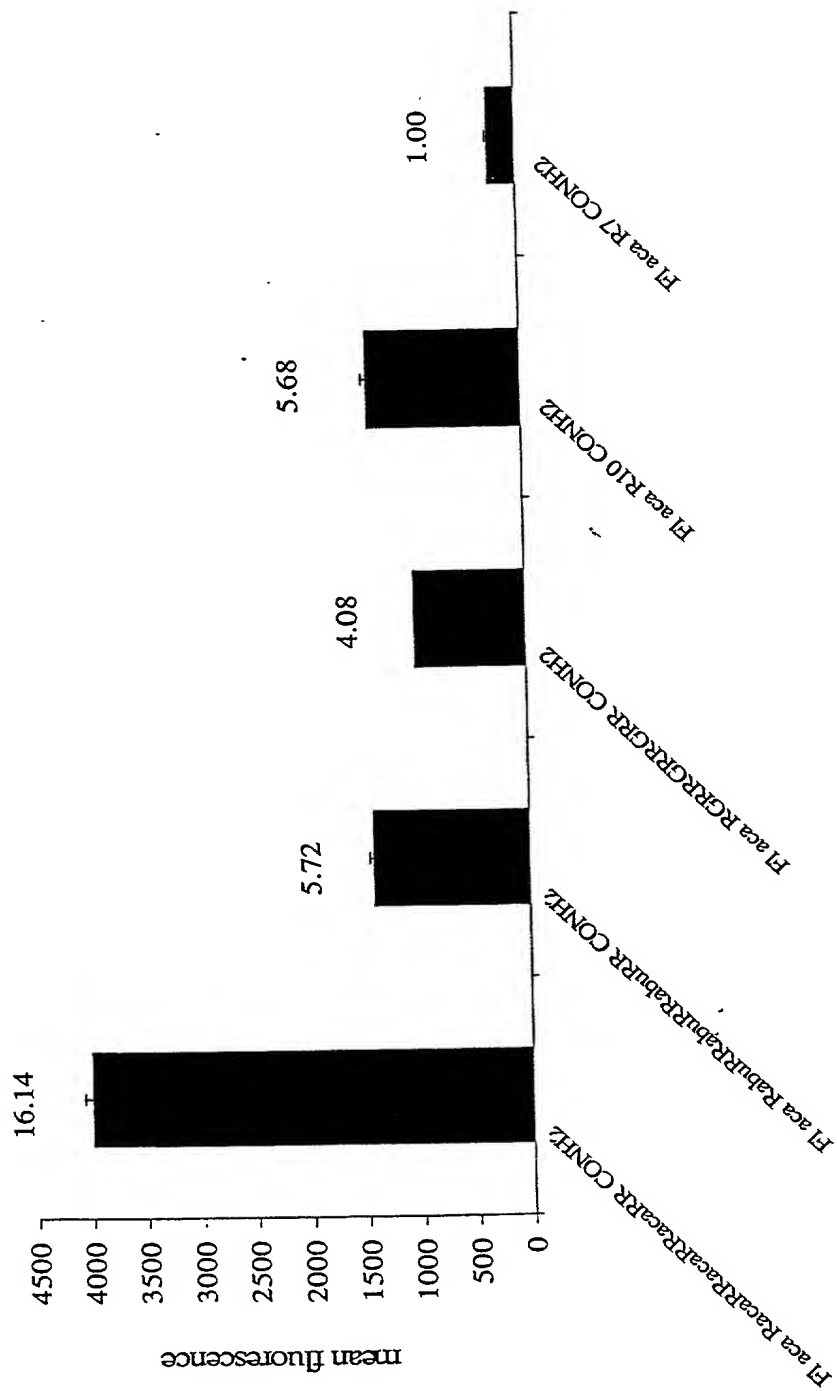
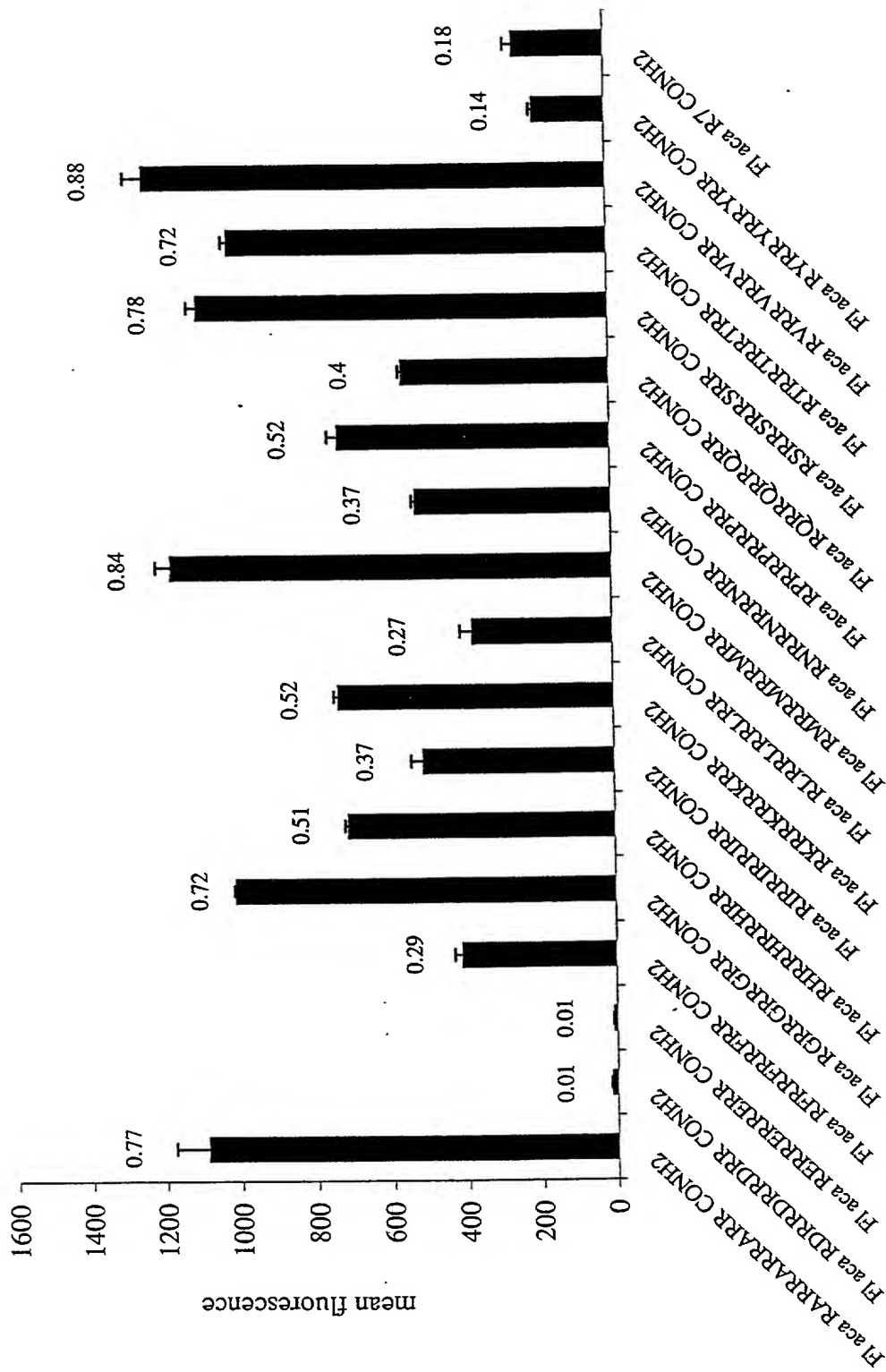


Figure 1



Sequence	Label	Value
El aca RARARAR CONH2	β_{10}	0.78
El aca RDRDRDRR CONH2	β_{10}	0.03
El aca RRRRRRRR CONH2	β_{10}	0.01
El aca RGRGRGRR CONH2	β_{10}	0.61
El aca RHRHRHRR CONH2	β_{10}	0.72
El aca RIRIRIRR CONH2	β_{10}	0.52
El aca RKRKRKR CONH2	β_{10}	0.33
El aca RLRLRLR CONH2	β_{10}	0.45
El aca RMRMRMR CONH2	β_{10}	0.19
El aca RNRRNRNR CONH2	β_{10}	0.74
El aca RPRPRPR CONH2	β_{10}	0.29
El aca RQRQRQR CONH2	β_{10}	0.47
El aca RSRSSSR CONH2	β_{10}	0.3
El aca RTRTRTRR CONH2	β_{10}	0.61
El aca RVRVRVR CONH2	β_{10}	0.79
El aca RYRRYRR CONH2	β_{10}	0.93
El aca R7 CONH2	β_{10}	0.22

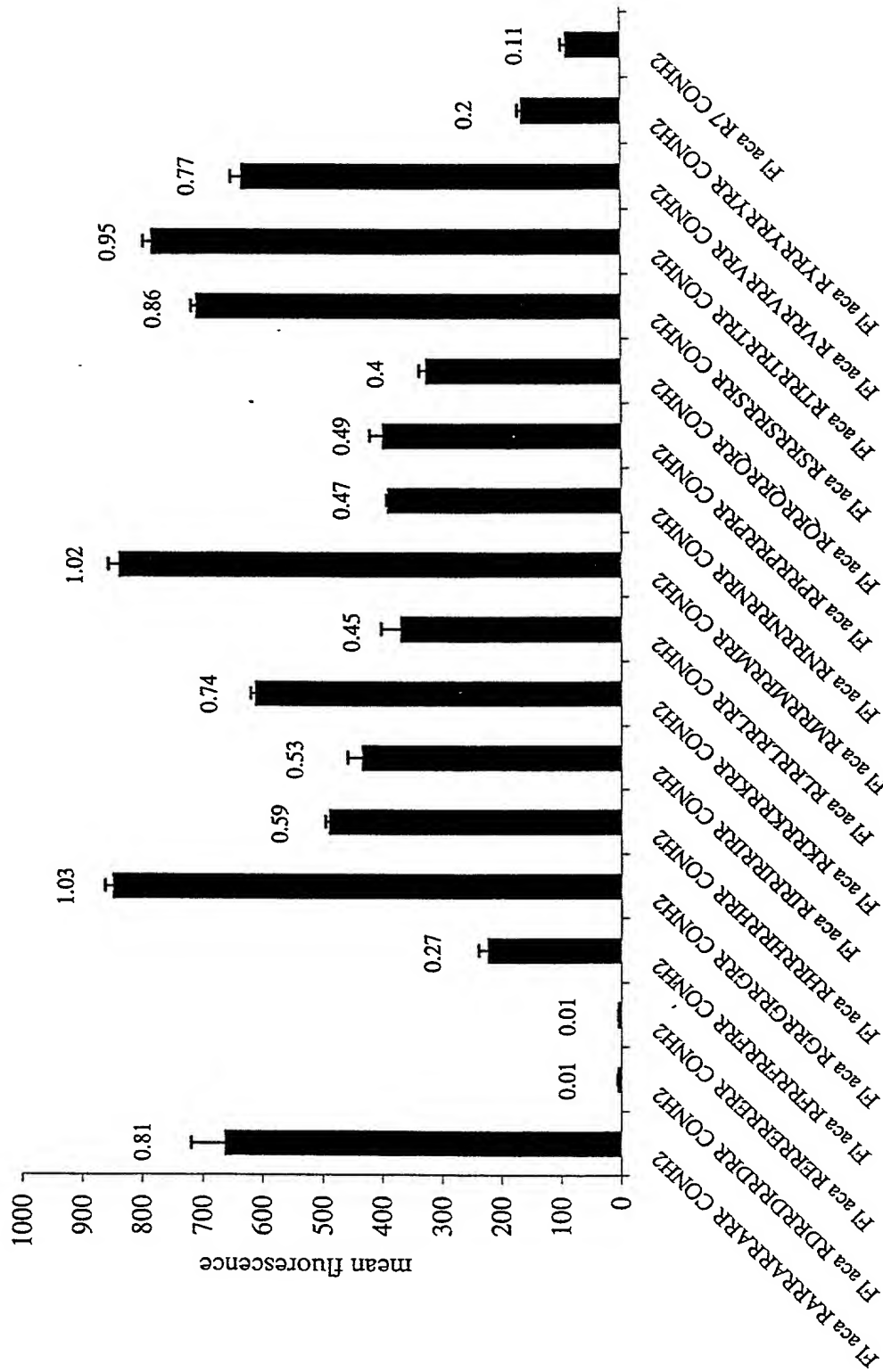
(RxR)₃R Series
natural amino acids (12.5 µM)



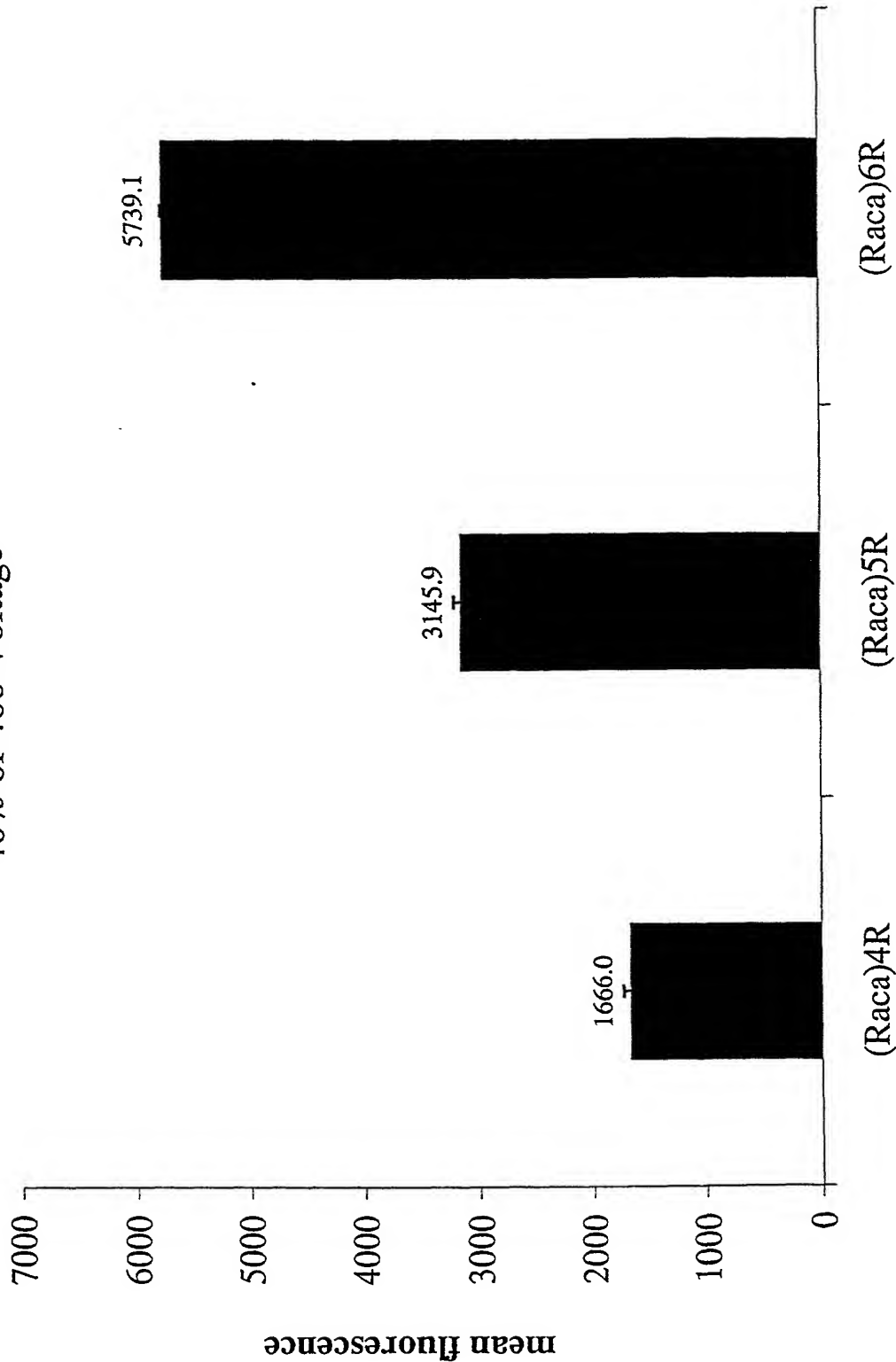
Att'y. Docket No.: 019801-001010
Applicant: Paul A. Wender and Jonathan B. Rothbard
Title: TRANSPORTER COMPRISING SPACED ARGININE MOIETIES
Sheet 3 of 14
Figure 3

(RxR)₃R Series

natural amino acids (6.25 μM)

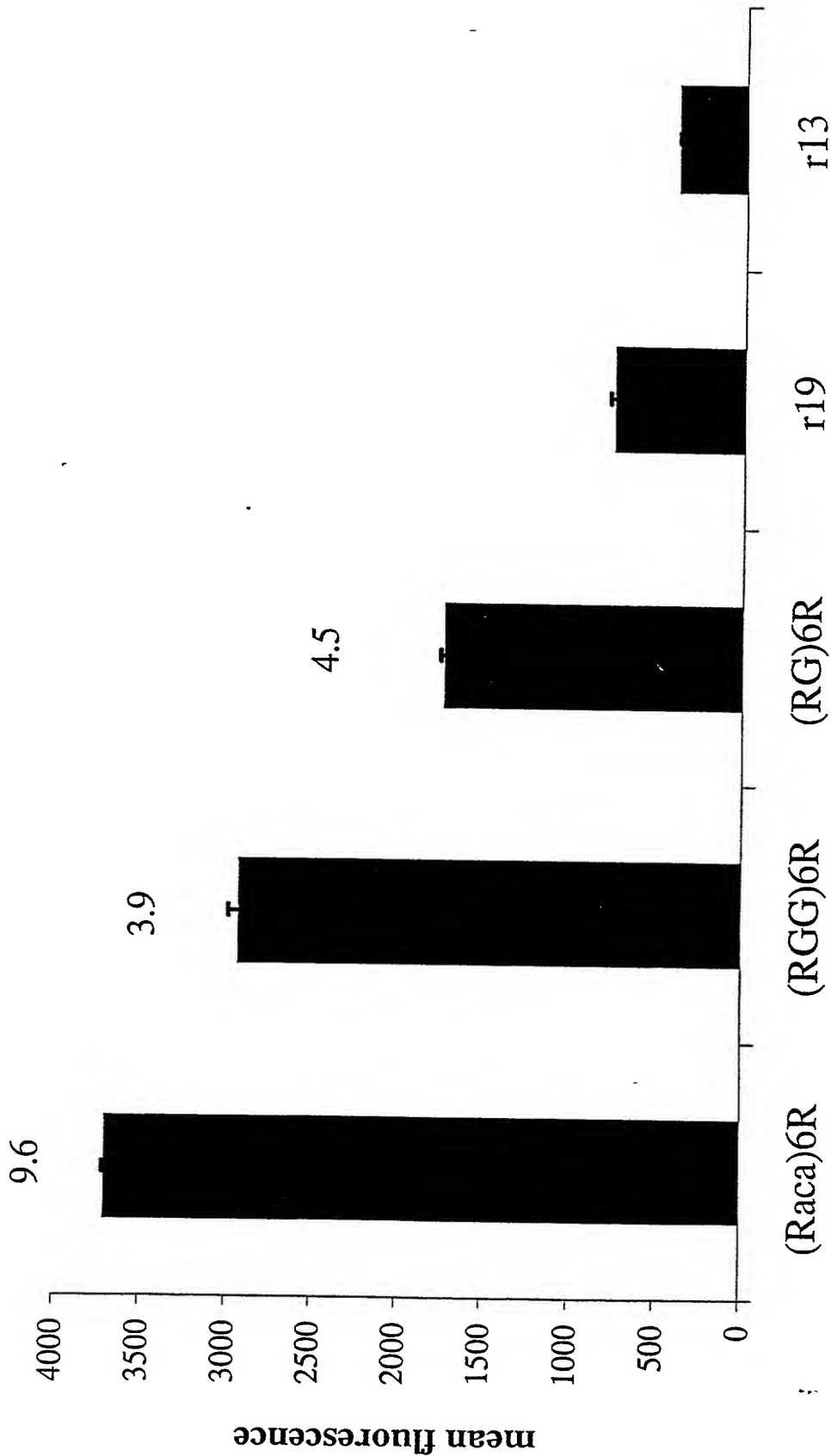


(Raca)xR Series
50 μ M -- 3 min.
40% of 460 Voltage



(Rx)₆R Analogs vs. Homopolymers of Arginine

25 μ M



octu

Donna

2:15

decu

3:16

under

4:15

dodeca

5:6

trideca
6:1

Figure 8

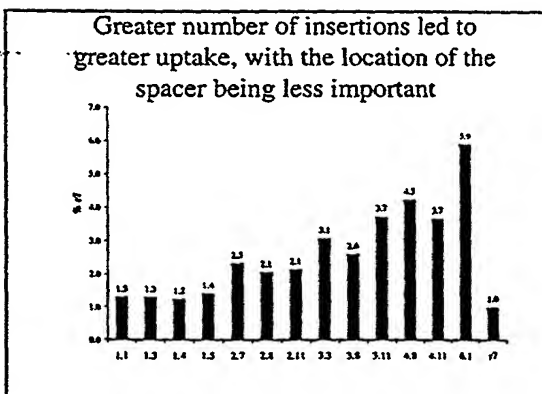
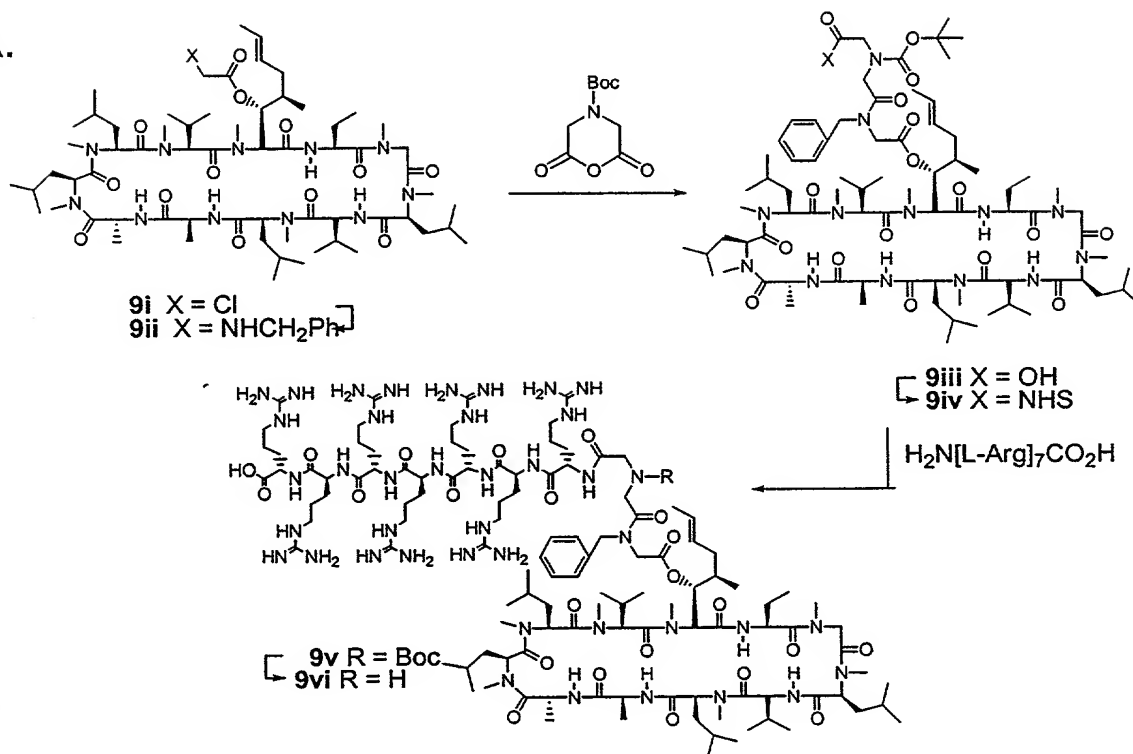


Figure 9

A.



B.

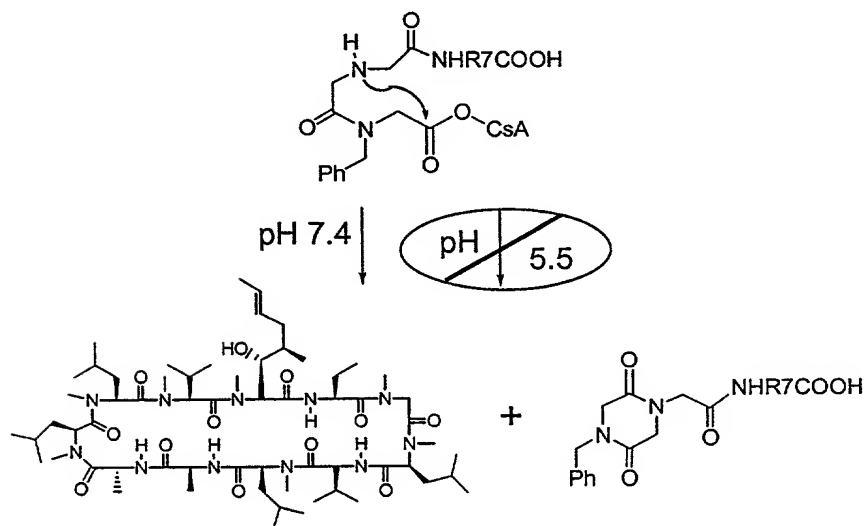


Figure 10

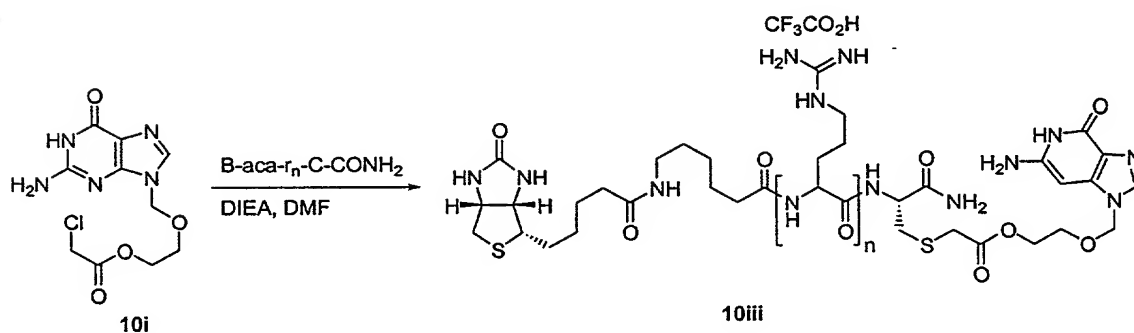
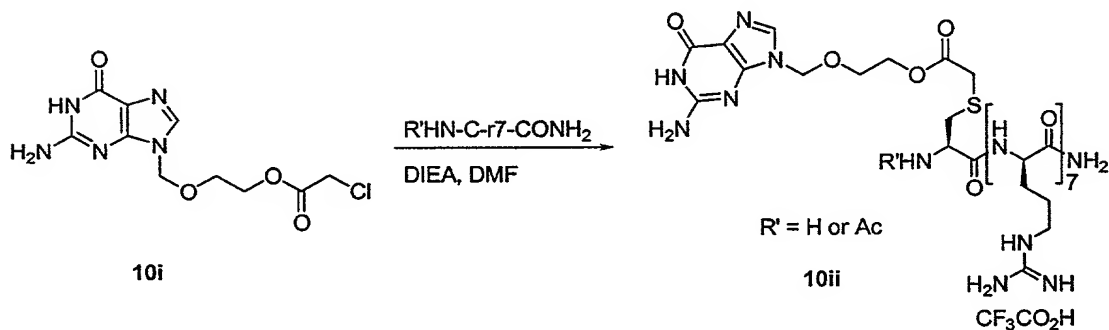
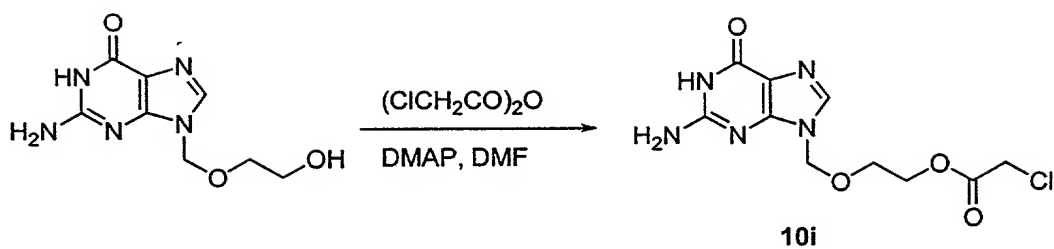


Figure 11

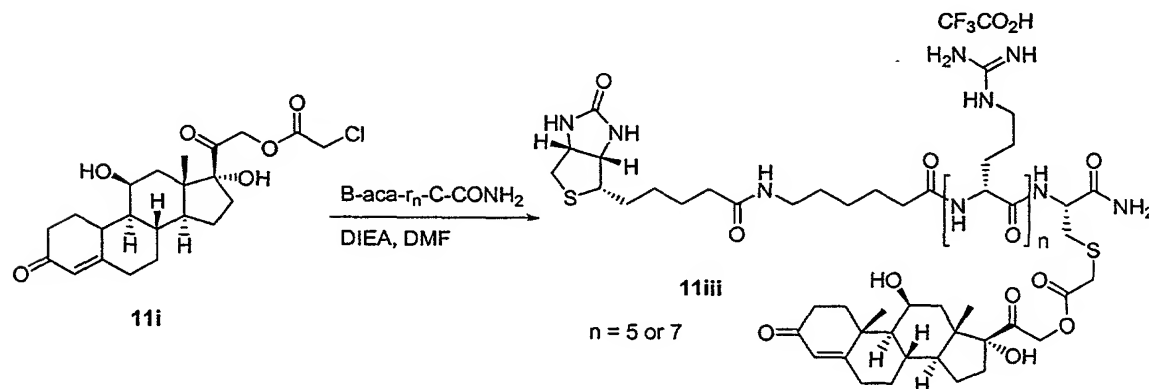
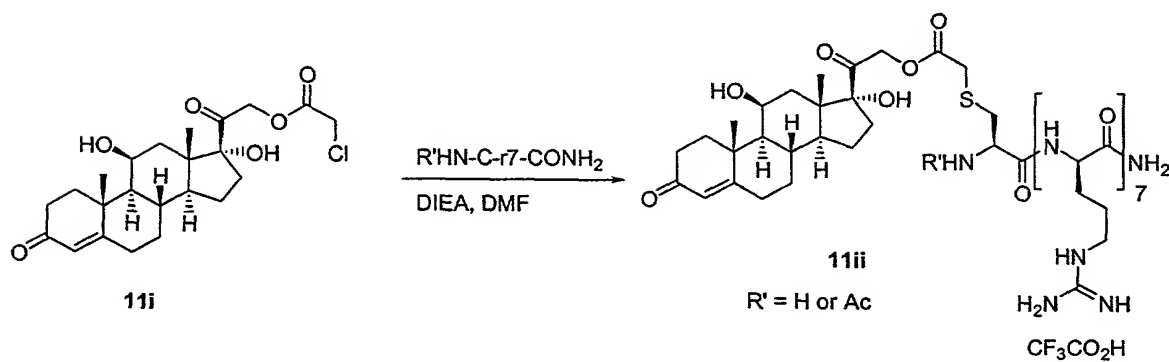
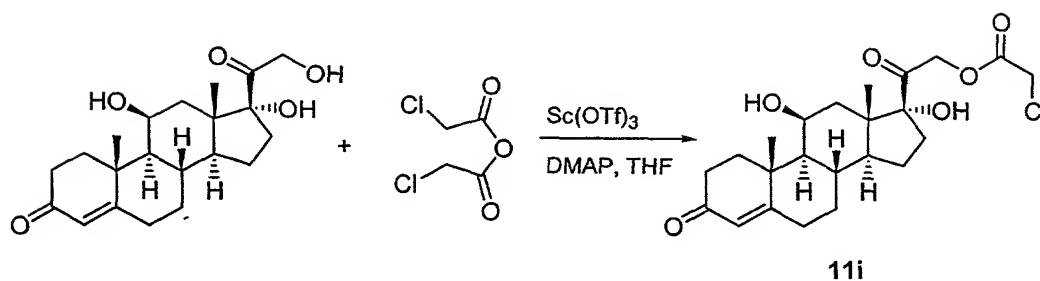
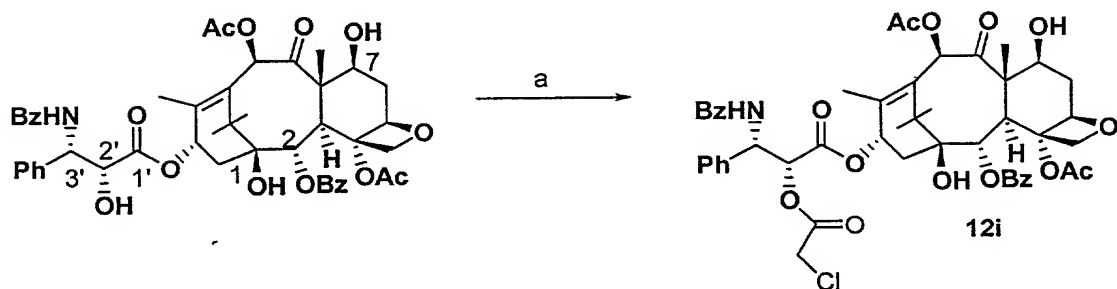
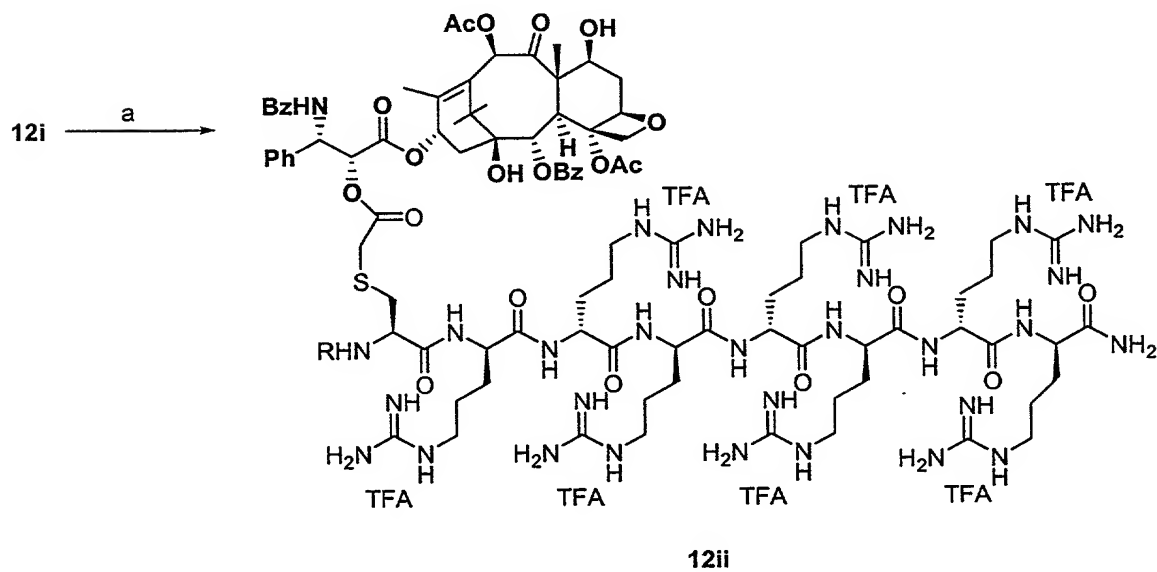


Figure 12



a) Cl-Ac₂O, DIEA, CH₂Cl₂, rt, 3h



a) peptide, DIEA, DMF, rt
R = H 48%
R = Ac 87%

Figure 13

